ICBM SUITABILITY

Posting ID: EM186054F8

Company Website: https://www.americansystems.com/

Company: American Systems

Work Location: Hill Air Force Base, UT

Salary: DOE

Position Type: Full-Time

College Major(s): Mechanical Engineering (ME), Electrical/Computer Engineering (EE/CpE)

College Level(s): Undergraduate-Junior, Undergraduate-Senior, Graduate Student, Alumni

OVERVIEW

AMERICAN SYSTEMS is seeking personnel with a background in an ICBM related field. If you have a strong skills set in either Booster/Missile Handling Suitability or Guidance, RS/RV & Munitions Suitability, we would like to hear from you!

Successful candidates will provide technical services to AFOTEC, Detachment 4 through analytical and subject matter expertise focused on test planning, test execution, and data analysis of the Ground Based Strategic Deterrent.

Roles and Responsibilities

● Translate military users’ needs from acquisition program requirements to testable metrics.
● Participate in Integrated Test Teams (ITT) and engage program offices, developers, subject matter experts and the user community.
● Assist test team in planning, executing, analyzing and/or reporting on Early Operational Assessments (EOA).
● Assist test team in identifying opportunities to combine Operational Test (OT) activities with Development Test (DT) activities, described as Integrated Test and Evaluation (IT&E), and incorporate IT&E test data into dedicated OT reports.
● Cyberspace systems expertise (business systems, information systems, cyber-protection, cyber-defense, cyber-attack).
   Information assurance and intelligence test and evaluation expertise (protection, defense, detection and recovery).
● Work with AFOTEC test teams to ensure AFOTEC’s test plans include adequate measures of effectiveness (MOE) and suitability (MOS).
● Participate in all relevant Development Test and integrated test, and conduct Operational Test, collect data where appropriate, perform data analysis, and report the results of each test event.
● Assist AFOTEC test teams in the evaluation and reporting.
● Attend meetings: teleconferences, VTCs, test working groups, system design reviews, technical interchange meetings, Initial Test Designs (ITD), Measures Workshops, and
core team meetings.
● Review documents: Capabilities Development Documents (CDD), Test and Evaluation
● Develop Test and Evaluation Master Plans (TEMP) and related documents.
● Monitor related plans for DT, monitor system or operational measures to counter threats.
● Collect, compile, review, analyze, and evaluate test results.
● Run computer models and simulations; analyze/characterize the resulting output.
● Aid in the determination of system effectiveness, suitability, and mission capability.
● Prepare test documentation for inclusion in test and evaluation reports.
Prepare briefings or slides as a part of the report coordination process. Prepare lessons
learned reports.

Education and Qualifications
● Test and evaluation (T&E) experience.
● Operational T&E experience desired.
● AFOTEC experience a plus.
● Be capable of completing a National Agency Check (NAC) consistent with Public Trust
Positions.
● US citizenship
● TOP SECRET security clearance current within five years and be SAP and SCI eligible.

Booster/Missile Handling Suitability
● Candidate must possess a background in ICBM maintenance or related field.
● Position requires minimum of 6 years practical knowledge of: mechanically and
electrically connecting and disconnecting reentry systems, guidance and control sections,
missile stages, propulsion systems, and secondary ordnance devices at the launch facility,
preventive maintenance inspections and electrical tests on missiles; missile components;
launch and launch control facilities; support vehicles; hydraulic, pneumdraulics, and
pneumatic systems.
● Knowledge of oxidizers and fuels properties and characteristics; basic hydraulics,
pneumdraulics, pneumatics, mechanics, and electricity; missile propulsion principles; and
use of diagrams and schematics is mandatory.

Guidance, RS/RV & Munitions Suitability
● Candidate must possess a background in ICBM maintenance or related field
● Position requires minimum of 6 years practical knowledge of: (1) inspection, assembly,
disassembly and maintenance of nuclear weapons and reentry vehicles/system; and (2)
the ability to comply with nuclear, missile, explosive, and general safety measures;
weapons systems safety rules; and technical orders.
● Knowledge of: electrical and mechanical principles; safety and security requirements for
nuclear weapons; interpreting block diagrams and technical orders; and proper handling,
use, and disposal of hazardous waste and materials is mandatory.

How to Apply
https://americansystems.hua.hrsmart.com/hr/ats/Posting/view/15672

For more information or questions contact:
Frank Costello, Task Lead, frank.costello@AmericanSystems.com

Marian Mason | Internship & Career Services Coordinator | coecareer@unlv.edu | https://unlv.edu/engineering/jobs
UNLV, Howard R. Hughes College of Engineering